

09/253,250

Abstract of the Disclosure

AN APPARATUS FOR PROVIDING DIRECT DATA PROCESSING
ACCESS USING A QUEUED DIRECT INPUT-OUTPUT DEVICE

5 An apparatus for providing direct data processing access in
a network computing system environment. The system environment
has a main storage which can be connected to one or more
application servers and is in processing communication with an
interface element. The interface element has at least one
adapter and can be connected to one or more application user(s).
10 One or more queues are established in the main storage that can
handle data without causing interrupts in the running programs.
Incoming data is received using the adapter and as data is
received or modified, the status of the network computing system
will be updated to reflect the new data or change. Data is then
15 processed in the main storage after interrogating the multiple
existing queues in the main storage simultaneously and forwarding
them in turn to their appropriate destination or application
server after a determination has been made by interrogating these
queues.